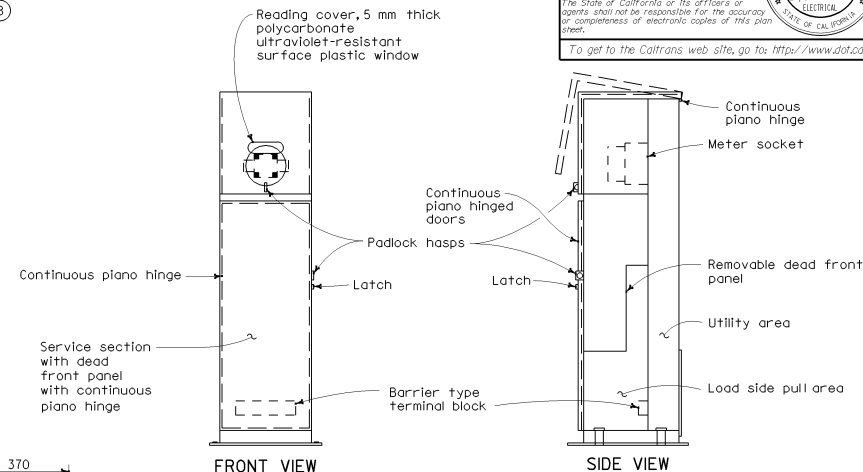


### 120/240 V SERVICE WIRING DIAGRAM (TYPICAL)



TYPE III-BF SERVICE EQUIPMENT ENCLOSURE  
WITH PROVISIONS FOR ONE 100 A METER (TYPICAL)

## NOTES (FOR SERVICE EQUIPMENT ENCLOSURE)

1. Voltage ratings of service equipment shall conform to the service voltages indicated on the plans.
2. Unless otherwise indicated on the plans, service equipment items shall be provided for each service equipment enclosure as shown.
3. Connect to remote test switch mounted on lighting standards, sign post or structure when required.
4. Items No. ① and ② shall be isolated from the service equipment enclosure.
5. Meter sockets shall be 5 clip type.
6. The landing lug shall be suitable for multiple conductors.
7. Type V photoelectric control shall be used unless otherwise indicated on the plans.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

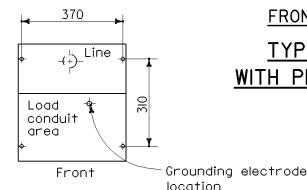
## ELECTRICAL SYSTEMS (SERVICE EQUIPMENT AND TYPICAL WIRING DIAGRAM, TYPE III -B SERIES)

NO SCALE

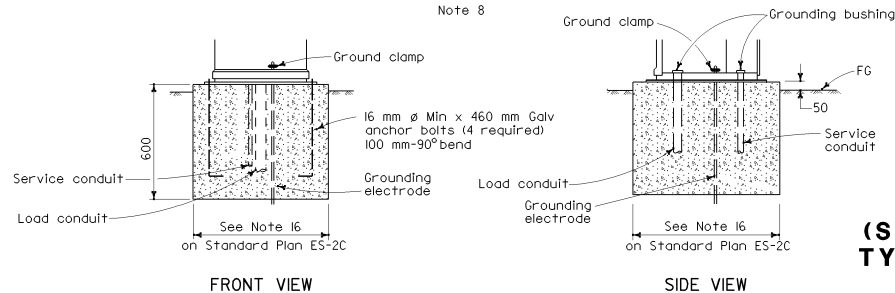
ALL DIMENSIONS ARE IN  
MILLIMETERS UNLESS OTHERWISE SHOWN

**ES-2E**

TYPE III-B SERVICE (120/240 V) EQUIPMENT LEGEND		
ITEM No.	COMPONENT	NAME PLATE DESCRIPTION
(1)	Neutral lug	
(2)	Landing lug (Note 6)	
(3)	Test bypass facility	
(4)	Meter socket and support	
(5)	Terminal blocks	
(6)	Neutral bus	
(7)	Grounding bus	
(8)	Grounding electrode	
(9)	30 A, 2PNO Contactor	Sign Illumination
(10)	Photoelectric unit (Note 7)	
(11)	15 A, IP, Test switch	Sign Illumination Test Switch
(12)	15 A, 120 V, IP, CB	Sign Illumination Control
(13)	15 A, 120 V, IP, CB	Flashing Beacon
(14)	30 A, 240 V, 2P, CB	Sign Illumination
(15)	100 A, 240 V, 3P, CB	Main Breaker
(16)	30 A, 240 V, 2P, CB	Lighting
(17)	50 A, 120 V, IP, CB	Signals
(18)	30 A, 120 V, IP, CB	Ramp Metering
(19)	20 A, 120 V, IP, CB	Irrigation
(20)	15 A, 120 V, IP, CB	Lighting Control
(21)	Photoelectric unit (Note 7)	
(22)	15 A, IP, Test switch	Lighting Test Switch
(23)	60 A, 2PNO Contactor	Lighting
(24)	15 A, 120 V, IP, CB	IISNS
(25)	30 A, 2PNO Contactor	IISNS
(26)	20 A, 120 V, IP, CB	Telephone Demarcation Cabinet



BASE FOR TYPE III-B  
SERVICE EQUIPMENT ENCLOSURE



TYPE III-B SERVICE EQUIPMENT  
ENCLOSURE FOUNDATION DETAILS